

Title (en)

Core/shell silver donors for photothermographic systems comprising an oxidatively more reactive shell

Title (de)

Kern/Schale Silber Donoren für photothermographische Systeme beinhaltend bezüglich der Oxidierbarkeit reaktivere Schale

Title (fr)

Particules à structure coeur-coquille pour système photothermographique contenant une coquille plus réactive au rapport a l'oxydation

Publication

EP 1315034 A1 20030528 (EN)

Application

EP 02079692 A 20021111

Priority

US 99072001 A 20011121

Abstract (en)

The present invention is directed to a photothermographic element comprising silver halide, a blocked developer, a coupler, and core/shell particles, each such particle comprising a mixture of at least two non-photosensitive organic silver salts, which particle comprises a center portion comprising a non-photosensitive first organic silver salt and at least one shell portion covering the center portion, the shell comprising a non-photosensitive second organic silver salt. The organic silver salt in the shell has a lower pKsp relative to the organic silver salt in the core. This invention also provides a composition comprising the core/shell non-photosensitive organic silver salt particles, and a method of making the particles.

IPC 1-7

G03C 1/498

IPC 8 full level

G03C 1/498 (2006.01)

CPC (source: EP US)

G03C 1/49809 (2013.01 - EP US); **G03C 2001/03535** (2013.01 - EP US); **Y10S 430/16** (2013.01 - EP US); **Y10S 430/165** (2013.01 - EP US)

Citation (search report)

- [PX] EP 1168069 A1 20020102 - EASTMAN KODAK CO [US]
- [A] US 4753862 A 19880628 - SATO KOZO [JP], et al
- [A] EP 0964300 A1 19991215 - AGFA GEVAERT NV [BE]

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 1315034 A1 20030528; JP 2003167311 A 20030613; US 6576414 B1 20030610

DOCDB simple family (application)

EP 02079692 A 20021111; JP 2002338154 A 20021121; US 99072001 A 20011121